



Steel Structures Design: Advanced Level

Civil, Structural & Construction

QGT-CIV-123 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Steel Structures Design: Advanced Level is an advanced programme for experienced practitioners in Steel Structures Design. It covers the principles, the requirements of ACI, AISC, Eurocodes, IBC and local building codes, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Steel Structures Design
- Apply the relevant requirements of ACI, AISC, Eurocodes, IBC and local building codes
- Apply advanced analysis methods to real operating data
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for civil and structural engineers, site engineers, consultants and inspectors with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in ACI, AISC, Eurocodes, IBC and local building codes

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
22 Mar – 2 Apr 2027	Lagos	Classroom	10 days	\$9,900
28 Jun – 2 Jul 2027	Houston	Classroom	5 days	\$5,500
8–19 Aug 2027	Sharm El Sheikh	Classroom	10 days	\$9,900
22–26 Aug 2027	Riyadh	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
30 Jan – 10 Feb 2028	Jeddah	Classroom	10 days	\$9,900
20–24 Feb 2028	Muscat	Classroom	5 days	\$5,500
10–21 Apr 2028	Cape Town	Classroom	10 days	\$9,900
8–12 May 2028	Manchester	Classroom	5 days	\$5,500
18–29 Sep 2028	Online (live)	Online (live)	10 days	\$5,500
8–19 Jan 2029	Istanbul	Classroom	10 days	\$9,900
22–26 Jan 2029	Budapest	Classroom	5 days	\$5,500
28 May – 8 Jun 2029	Madrid	Classroom	10 days	\$9,900
25–29 Jun 2029	Kuala Lumpur	Classroom	5 days	\$5,500
8–19 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
17–28 Feb 2030	Muscat	Classroom	10 days	\$9,900
17–21 Jun 2030	Lisbon	Classroom	5 days	\$5,500
30 Jun – 11 Jul 2030	Doha	Classroom	10 days	\$9,900
21–25 Jul 2030	Cairo	Classroom	5 days	\$5,500
5–16 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/steel-structures-design-advanced-level/>

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